

Claims

1. A method for providing voice access to information stored in a dynamic database located within an external data source, comprising the steps of:

- providing a communication link between an external data
- 5 source and a voice capable device, the voice capable device including a speech recognition application and a grammar generation application;
- retrieving text data from a dynamic database located within the external data source;
- organizing the text data into new grammars; and
- 10 converting the new grammars into phonetic transcriptions, wherein the new and existing grammars are then available to the speech recognition application to facilitate speech recognition.

2. The method of claim 1, wherein the external data source is one of a handheld computer, a compressed music player, a digital cellular telephone, a radio data system (RDS) receiver and a digital audio broadcast (DAB) receiver.

- 3. The method of claim 1, further including the steps of:
- receiving a voice command that is directed to the external data source;
- utilizing the new and existing grammars that are necessary to
- 5 interpret the received voice command; and
- controlling the external data source to perform a function associated with the received voice command.

4. The method of claim 1, further including the steps of:

- receiving a voice command that is directed to the external data source;
- utilizing the new and existing grammars that are necessary to

FOOTNOTES

- 5 interpret the received voice command; and
 retrieving information from the external data source that is
 associated with the received voice command.

5. The method of claim 1, wherein the external data source
 includes a voice interface.

6. The method of claim 1, further including the step of:
 modifying at least one of the existing grammars with the
 phonetic transcriptions.

7. The method of claim 1, wherein the new grammar
 corresponds to at least one of a new word in the database and a change in the
 structure of the database.

8. A speech recognition system for providing voice access
 to information stored in a dynamic database located within an external data
 source, the system comprising:

- 5 a processor;
 a memory subsystem coupled to the processor; and
 processor executable code for implementing a speech
 recognition application and a grammar generation application and for causing
 the processor to perform the steps of:
 providing a communication link between an external
 10 data source and the speech recognition system;
 retrieving text data from a dynamic database located
 within the external data source;
 organizing the text data into new grammars; and
 converting the new grammars into phonetic
 15 transcriptions, wherein the new and existing grammars are then available to
 the speech recognition application to facilitate speech recognition.

9. The system of claim 8, wherein the external data source is one of a handheld computer, a compressed music player, a digital cellular telephone, a radio data system (RDS) receiver and a digital audio broadcast (DAB) receiver.

10. The system of claim 8, wherein the processor executable code causes the processor to perform the additional steps of:
receiving a voice command that is directed to the external data source;

5 utilizing the new and existing grammars that are necessary to interpret the received voice command; and

controlling the external data source to perform a function associated with the received voice command.

11. The system of claim 8, wherein the processor executable code causes the processor to perform the additional steps of:
receiving a voice command that is directed to the external data source;

5 utilizing the new and existing grammars that are necessary to interpret the received voice command; and

retrieving information from the external data source that is associated with the received voice command.

12. The system of claim 8, wherein the external data source includes a voice interface.

13. The system of claim 8, further including the step of:
modifying at least one of the existing grammars with the phonetic transcriptions.

14. The system of claim 8, wherein the new grammar corresponds to at least one of a new word in the database and a change in the structure of the database.

15. A speech recognition system located within a motor vehicle and providing voice access to information stored in a dynamic database located within an external data source, the system comprising:

a processor;

5 an output device coupled to the processor, the output device providing information to an occupant of the motor vehicle;

a memory subsystem for storing information coupled to the processor; and

10 processor executable code for implementing a speech recognition application and a grammar generation application and for causing the processor to perform the steps of:

providing a communication link between an external data source and the speech recognition system;

15 retrieving text data from a dynamic database located within the external data source;

organizing the text data into new grammars; and

converting the new grammars into phonetic transcriptions, wherein the new and existing grammars are then available to the speech recognition application to facilitate speech recognition.

16. The system of claim 15, wherein the external data source is one of a handheld computer, a compressed music player, a digital cellular telephone, a radio data system (RDS) receiver and a digital audio broadcast (DAB) receiver.

17. The system of claim 15, wherein the processor executable code causes the processor to perform the additional steps of:

5 utilizing the new and existing grammars that are necessary to
interpret the received voice command; and

18. The system of claim 15, wherein the processor executable code causes the processor to perform the additional steps of:

receiving a voice command that is directed to the external data source;

5 utilizing the new and existing grammars that are necessary to
interpret the received voice command; and
 retrieving information from the external data source that is
associated with the received voice command.

19. The system of claim 15, wherein the external data source includes a voice interface.

20. The system of claim 15, further including the step of:
modifying at least one of the existing grammars with the
phonetic transcriptions.

21. The system of claim 15, wherein the new grammar corresponds to at least one of a new word in the database and a change in the structure of the database.